



Water-Data Report 2006

12433542 BLUE CREEK ABOVE MIDNITE MINE DRAINAGE, NEAR WELLPINIT, WA

Spokane Basin
Lower Spokane Subbasin

LOCATION.--Lat 47°55'28", long 118°05'18" referenced to North American Datum of 1927, in NW ¼ SE ¼ sec.13, T.28 N., R.37 E., Stevens County, WA, Hydrologic Unit 17010307, Spokane Indian Reservation, on right bank, 2.4 mi downstream from Turtle Lake, and 5.4 mi northwest of Wellpinit.

DRAINAGE AREA.--6.0 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--June 1984 to October 1998, January 2000 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 2,070 ft above NGVD of 1929, from topographic map.

REMARKS.--Records poor. No regulation or diversion upstream from station. U.S. Geological Survey satellite telemeter at station.

AVERAGE DISCHARGE FOR PERIOD OF RECORD.--20 years (water years 1985-98, 2001-06), 1.24 ft³/s, 2.81 in/yr, 899 acre-ft/yr.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 65 ft³/s, Mar. 22, 1997, gage height, 3.22 ft; minimum discharge, 0.01 ft³/s, Aug. 12, 13, 1992, gage height, 0.86 ft.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 17 ft³/s, Jan 17, gage height, 2.16 ft; minimum discharge, 0.07 ft³/s, Oct 5.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2005 TO SEPTEMBER 2006
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.13	0.36	e0.27	e0.29	5.4	5.7	10	4.3	1.2	0.65	0.27	0.26
2	0.12	0.31	e0.29	e0.29	5.3	5.7	9.7	4.0	1.2	0.62	0.27	0.26
3	0.10	0.32	e0.27	e0.30	5.6	5.7	9.4	3.7	1.2	0.57	0.27	0.23
4	0.10	0.33	e0.27	e0.30	6.2	5.8	9.0	3.4	1.2	0.56	0.27	0.22
5	0.10	0.30	e0.25	e0.31	6.6	5.9	8.7	3.2	1.2	0.58	0.25	0.22
6	0.11	0.32	e0.23	0.38	6.7	6.4	8.5	3.0	1.0	0.63	0.25	0.18
7	0.12	0.30	e0.21	0.58	7.0	6.4	7.9	2.8	1.0	0.60	0.24	0.19
8	0.12	0.28	e0.23	0.86	7.0	6.3	7.8	2.6	1.0	0.59	0.23	0.18
9	0.11	0.27	e0.23	1.1	7.0	6.9	11	2.5	1.0	0.56	0.22	0.20
10	0.11	0.25	e0.23	5.0	7.0	6.9	10	2.4	1.0	0.55	0.26	0.20
11	0.12	0.24	e0.23	6.7	7.0	6.7	11	2.3	1.0	0.51	0.28	0.19
12	0.12	0.25	e0.23	4.6	7.2	6.7	11	2.2	1.0	0.49	0.25	0.19
13	0.11	0.29	e0.23	8.1	7.1	6.7	12	2.1	1.0	0.49	0.25	0.18
14	0.11	0.30	e0.21	14	7.0	6.8	12	2.0	1.1	0.47	0.24	0.15
15	0.11	0.28	e0.21	14	6.6	6.8	12	1.9	0.98	0.46	0.24	0.16
16	0.13	0.30	e0.21	15	6.2	6.8	12	1.8	0.97	0.44	0.22	0.14
17	0.12	0.27	e0.21	16	5.7	7.1	11	1.7	0.94	0.43	0.20	0.16
18	0.11	0.27	e0.21	16	5.8	7.0	10	1.7	0.92	0.41	0.20	0.19
19	0.12	0.30	e0.21	14	6.1	6.9	9.8	1.6	0.90	0.42	0.20	0.19
20	0.13	0.30	e0.23	13	5.5	7.1	9.2	1.7	0.88	0.38	0.19	0.19
21	0.16	0.30	e0.27	11	4.8	7.3	8.6	1.6	0.85	0.36	0.22	0.19
22	0.20	0.30	e0.34	9.7	4.8	7.3	8.1	1.5	0.85	0.35	0.24	0.19
23	0.21	0.30	e0.38	8.8	4.7	7.8	7.4	1.4	0.81	0.35	0.23	0.19
24	0.21	0.30	e0.52	7.9	4.7	8.5	6.9	1.4	0.76	0.34	0.23	0.19
25	0.21	0.33	e0.46	7.3	4.4	9.3	6.4	1.4	0.73	0.33	0.22	0.18
26	0.22	0.32	e0.34	6.6	4.4	9.5	6.0	1.4	0.72	0.32	0.22	0.17
27	0.22	0.27	e0.34	6.1	5.1	9.8	5.6	1.3	0.71	0.32	0.19	0.17
28	0.26	0.27	e0.42	5.8	6.2	10	5.3	1.3	0.69	0.32	0.20	0.17
29	0.25	0.26	e0.35	5.5	---	10	4.9	1.3	0.69	0.28	0.26	0.17
30	0.23	e0.25	e0.33	5.6	---	10	4.7	1.2	0.68	0.28	0.26	0.17
31	0.31	---	e0.31	5.5	---	10	---	1.2	---	0.28	0.26	---
Total	4.78	8.74	8.72	210.61	167.1	229.8	265.9	65.9	28.18	13.94	7.33	5.67
Mean	0.15	0.29	0.28	6.79	5.97	7.41	8.86	2.13	0.94	0.45	0.24	0.19
Max	0.31	0.36	0.52	16	7.2	10	12	4.3	1.2	0.65	0.28	0.26
Min	0.10	0.24	0.21	0.29	4.4	5.7	4.7	1.2	0.68	0.28	0.19	0.14
Ac-ft	9.5	17	17	418	331	456	527	131	56	28	15	11
Cfsm	0.03	0.05	0.05	1.13	0.99	1.24	1.48	0.35	0.16	0.07	0.04	0.03
In.	0.03	0.05	0.05	1.31	1.04	1.42	1.65	0.41	0.17	0.09	0.05	0.04

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1984 - 2006, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.16	0.20	0.22	0.99	1.83	5.22	3.99	1.42	0.74	0.35	0.19	0.14
Max	0.25	0.37	0.47	6.79	12.4	25.7	14.1	3.40	1.85	0.76	0.36	0.24
(WY)	(1998)	(1985)	(1997)	(2006)	(1995)	(1997)	(1997)	(1996)	(1997)	(1997)	(1984)	(1984)
Min	0.07	0.10	0.11	0.09	0.16	0.30	0.34	0.30	0.17	0.10	0.07	0.05
(WY)	(2002)	(2002)	(2005)	(2001)	(1990)	(2005)	(1990)	(1992)	(1992)	(1994)	(2001)	(2001)

12433542 BLUE CREEK ABOVE MIDNITE MINE DRAINAGE, NEAR WELLPINIT, WA—Continued**SUMMARY STATISTICS**

	Calendar Year 2005	Water Year 2006	Water Years 1984 - 2006	
Annual total	93.08	1,016.67		
Annual mean	0.26	2.79	1.24	
Highest annual mean			4.69	1997
Lowest annual mean			0.19	1994
Highest daily mean	0.76	Mar 27	16	Jan 17
Lowest daily mean	0.07	Jan 1	0.10	Oct 3
Annual seven-day minimum	0.07	Sep 14	0.11	Oct 3
Annual runoff (ac-ft)	185		2,020	899
Annual runoff (cfsm)	0.043		0.464	0.207
Annual runoff (inches)	0.58		6.30	2.81
10 percent exceeds	0.52		8.5	3.3
50 percent exceeds	0.23		0.56	0.25
90 percent exceeds	0.09		0.19	0.12

